presentation in a possible appeal. Accordingly, upon entry of this response Applicant

respectfully requests reconsideration of the above-referenced application.

PENDING CLAIMS

1   1.   A method for performing motion estimation comprising:

2   receiving a stream of data comprising one or more bidirectionally interpolated frames (B-

3   frame) and a plurality of anchor frames; and

4   unidirectionally predicting content of each B-frame from a temporally closest anchor

5   frame.

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1   2.   The method of claim 1, wherein the content of the B-frames is unidirectionally predicted

2   from the content of the temporally closest anchor frame and one or more motion vectors.

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1   3.   The method of claim 2, wherein the one or more motion vectors represent an activity

2   measure of the temporally closest anchor frame.

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1   4.   The method of claim 3, wherein the motion vector is determined by a sum of absolute

2   differences in activity within the temporally closest anchor frame.

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1   5.   The method of claim 1, wherein the temporally closest anchor frame selected to

2   unidirectionally predict the content of the B-frame may either precede or supersede the B-frame.

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1 6.   The method of claim 1, wherein the plurality of anchor frames and B-frames contain

2 progressive video content.

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1 7.   The method of claim 1, wherein the plurality of anchor frames and B-frames contain

2 interlaced video content.

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1 8.   An apparatus comprising:

2   a motion estimation circuit to receive one or more bidirectionally interpolated frames (B-

3 frame) and a plurality of anchor frames, and to unidirectionally predict content of each of the

4 plurality of B-frames from a select anchor frame.

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1 9.   The apparatus of claim 8, wherein the motion estimation circuit predicts the content for

2 each B-frame from a temporally closest anchor frame.

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1 10.   The apparatus of claim 8, wherein the motion estimation circuit generates a motion vector

2 based, at least in part, on the selected anchor frame.

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1 11.   The apparatus of claim 10, wherein the motion vector represents an activity measure of

2 the anchor frame.

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1 12.   The apparatus of claim 10, wherein the motion estimation circuit generates the motion

2 vector from a sum of absolute differences in activity within the anchor frame.

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1   13.   The apparatus of claim 10, wherein the motion estimation circuit unidirectionally predicts

2   the content of B-frames from a temporally closest anchor frame and one or more motion vectors

3   generated therefrom.

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1   14.   The apparatus of claim 13, wherein the motion estimation circuit generates the one or

2   more motion vectors from a sum of absolute differences in activity within the temporally closest

3   anchor frame.

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1   15.   The apparatus of claim 8, wherein the motion estimation circuit utilizes either a preceding

2   or superseding anchor frame to predict B-frame content, depending on which is temporally closer

3   to the B-frame.

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1   16.   A storage medium comprising a plurality of executable instructions which, when

2   executed, cause an executing processor to implement a motion estimation function to

3   unidirectionally predict content of each of a plurality of received bidirectionally interpolated

4   frames (B-frames) from a select anchor frame.

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1   17.   The storage medium of claim 16, wherein the motion estimation function utilizes either a

2   preceding or superseding anchor frame to predict B-frame content, depending on which is

3   temporally closer to the B-frame.

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